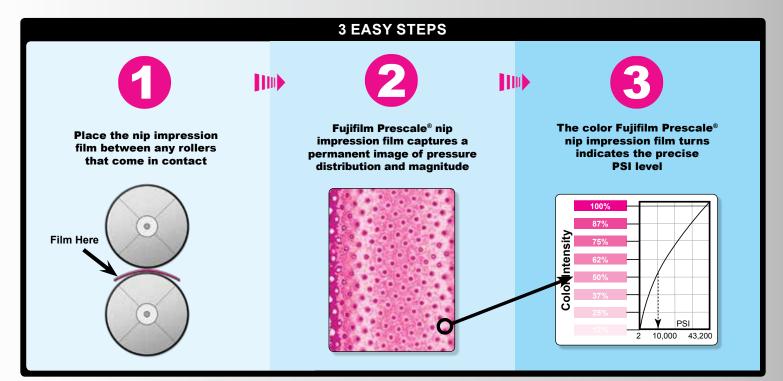
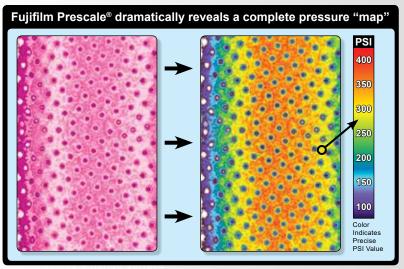


TACTILE PRESSURE INDICATING SENSOR FILM

Application: Nip Impression

If you have rollers coming in contact it's critical to measure the nip point between those rollers to monitor both parallelism and pressure level.





Pseudocoloring performed by the Topaq® optical analysis system

Simply place Fujifilm Prescale[®] pressure indicating sensor film between your mating rolls. Apply pressure, remove the film and immediately the film reveals a pressure distribution profile that occurred between the two rolls. Conceptually similar to Litmus paper, the color intensity of Prescale[®] film is directly related to the amount of pressure applied to it. The greater the pressure, the more intense the color.

Benefits

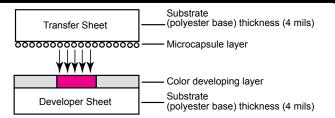
- Reveals roller parallelism & planarity to aid in roller alignment
- Indicates both nip width and nip pressure
- Inexpensive and has an extremely high spatial resolution
- Reveals gaps, flaws and unevenness in the roll surface
- Creates a permanent archival record of your nip profile
- Quantifies exactly how much pressure is occurring between the mating rolls

Tactile Pressure Indicating Sensor Film

Accurate, Cost-effective, Easy to Employ Pressure Mapping Technology

Fujifilm Prescale® is a mylar based film that contains a layer of tiny microcapsules. The application of force upon the film causes the microcapsules to rupture, producing an instantaneous and permanent high resolution "topographical" image of pressure variation across the contact area.





8 Sensitivities To Accommodate A Wide Range Of Pressures

Film Type	Pressure Range	
ULTRA EXTREME LOW	0.87 - 7.3 PSI	(0.06 - 0.51 kg/cm²)
EXTREME LOW	7.2 - 28 PSI	(0.5 - 2 kg/cm²)
ULTRA LOW	28 - 85 PSI	(2 - 6 kg/cm²)
SUPER LOW	70 - 350 PSI	(5 - 25 kg/cm²)
LOW	350 - 1,400 PSI	(25 - 100 kg/cm²)
MEDIUM	1,400 - 7,100 PSI	(100 - 500 kg/cm²)
нідн	7,100 - 18,500 PSI	(500 - 1,300 kg/cm²)
SUPER HIGH	18,500 - 43,200 PSI	(1,300 - 3,000 kg/cm²)

Industry Applications				
AEROSPACE	Composite Layups, Material Testing, Bolted Joints	PACKAGING Heat Sealing, Converting		
AUTOMOTIVE	Gasketing, Impacts, Fuel Cell Stacking,			
	Clutches, Brakes, Tire Tread	PLASTICS	Lamination Press, Die Extrusion Injection Molding, Stamping	
ELECTRONICS	Heat Sinks, LCD Bonding, PCB Lamination, Wafer Bonding/Polishing			
MEDICAL	Clamping, Gait Analysis, Ergonomics,	PRINTING/	Nip Impressions	
Orthotics and Prosthetics		PAPERMAKING		

Physical Specifications 68°F to 95°F (20°C - 35°C) GAUGE 4, 8, or 20 mils OPERATING TEMPERATURE Extreme low pressure (4LW), Super high pressure (HHS): 15°C - 30°C Polyethylene SUBSTRATE Terephthalate (PET) 35% RH - 80% RH HUMIDITY RANGE Extreme low pressure (4LW): 20% RH - 75% RH Super high pressure (HHS): 35% RH - 80% RH ±10% or less (measured by ACCURACY densitometer at 23°C,65% RH) SPATIAL RESOLUTION 5 to 15 microns SHELF LIFE 2 years

MSDS Available Upon Request.



300 Madison Avenue Madison, NJ 07940 USA 1.973.884.1755 www.sensorprod.com

www.Sensorprod.com

Sensor Products, Inc. is an authorized distributor for Fujifilm Prescale® in the U.S.A., Canada, Mexico & the Caribbean only. Fujifilm Prescale® is a registered trademark of Fujifilm Corp. ©2019 Sensor Products, Inc. Updated 01-09-19